

Title (en)

Gate drive circuit for power switching device

Title (de)

Gate-Treiberschaltung für eine Leistungsschaltanordnung

Title (fr)

Circuit de contrôle de grille pour un dispositif de commutation de puissance

Publication

EP 0687056 A3 19970416 (EN)

Application

EP 95303797 A 19950605

Priority

JP 12335594 A 19940606

Abstract (en)

[origin: EP0687056A2] A gate drive circuit for a voltage-driven type power switching device, including a control device for generating a gate voltage for the voltage-driven type power switching device, and a correction device connected to the control device for receiving the gate voltage and for correcting an effect of a magnetic flux resulted from a main circuit current flowing in the voltage-driven type power switching device applied to the gate voltage to generate a corrected gate voltage. The corrected gate voltage is applied to a gate of the voltage-driven type power switching device.
<IMAGE>

IPC 1-7

H02M 1/08; **H03K 17/08**

IPC 8 full level

H02J 1/00 (2006.01); **H02M 1/08** (2006.01); **H03K 17/08** (2006.01); **H03K 17/16** (2006.01)

CPC (source: EP KR US)

H02M 1/08 (2013.01 - EP US); **H03K 17/00** (2013.01 - KR); **H03K 17/165** (2013.01 - EP US); **H03K 17/168** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

DE IT

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EP 0687056 A2 19951213; **EP 0687056 A3 19970416**; **EP 0687056 B1 19990929**; AU 2049395 A 19951214; AU 678317 B2 19970522; CA 2151097 A1 19951207; CA 2151097 C 20000516; CN 1035222 C 19970618; CN 1119364 A 19960327; DE 69512467 D1 19991104; DE 69512467 T2 20000518; JP 3260036 B2 20020225; JP H07336996 A 19951222; KR 0157138 B1 19990218; KR 960003092 A 19960126; TW 273058 B 19960321; US 5621257 A 19970415

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EP 95303797 A 19950605; AU 2049395 A 19950606; CA 2151097 A 19950606; CN 95108576 A 19950606; DE 69512467 T 19950605; JP 12335594 A 19940606; KR 19950014909 A 19950607; TW 84109266 A 19950905; US 47376695 A 19950606